

## BOLT ACTION PEN KITS ASSEMBLY INSTRUCTIONS

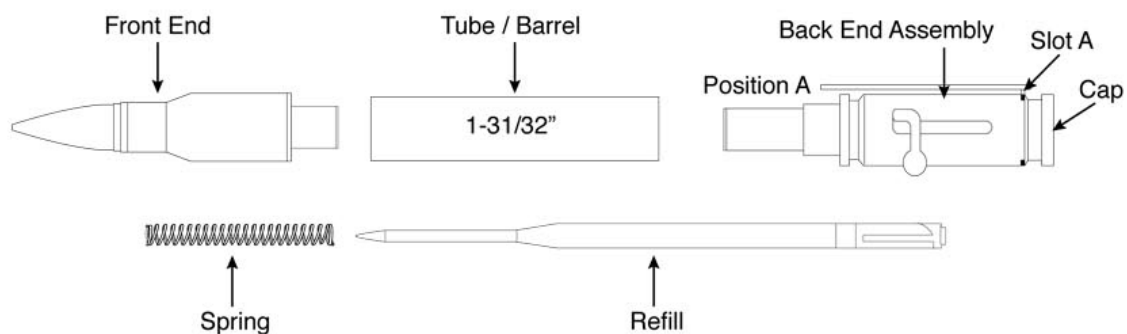
### Kit Features:

- Easy to turn with single tube
- Minimum Parts to assemble
- Uses Parker Style Refill
- Available Multiple finishes
- Overall length 5-1/4"

### Required Accessories:

- 7 mm, pen mandrel
- Drill bit 3/8"
- RZ-BABP-Bushings (2 pc)
- One barrel trimming set, use 3/8" shaft
- Live Tailstock Center
- 2 part epoxy glue or insta-cure (cyanoacrylate) glue
- Minimum Blank size: 5/8" x 2-1/4"

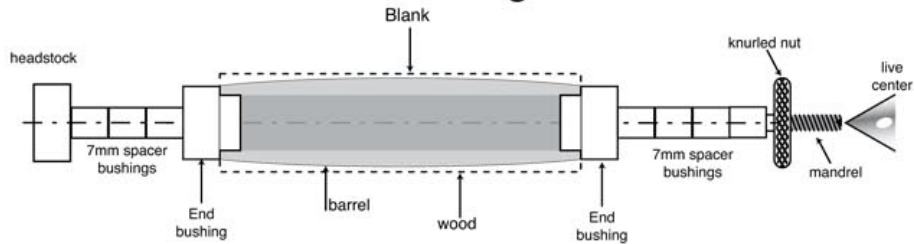
### DIAGRAM A - Parts List



### Preparing the Blank

- Cut one pen blank to the length of the brass tube (add 1/16" for trimming).
- Drill a 3/8" hole lengthwise through the blank.
- Spread the glue over the tube. Insert the tube into the blank with a twisting motion to spread the glue evenly inside. Center the tube lengthwise in the blank.
- When the glue dries, Square the end of each blank. Use a Barrel trimmer with 3/8" shaft or a universal pen blank squaring jig with a power disc sander. Take the wood down to the brass tube. Do not trim beyond the length of the tube since this may interfere with operation of the mechanism and assembly. Use the barrel trimmer shaft to clean the inside of the tube.

## DIAGRAM B - Turning the Blanks



### Turning The Blanks

- Mount the bushings and blank according to Diagram B.
- Thread on the knurled nut and hand tighten to hold all components in place.
- Slide the tailstock up snugly against the mandrel shaft inserting the live center point into the mandrel dimple, lock in place.
- Hand tighten the quill adjustment to firm up the mandrel. (DO NOT overtighten, it could damage the mandrel).
- Using sharp tools, turn the blank down close to the bushing diameter. Turn the barrel (straight or to a profile of your choice)
- Sand the blank down to be flush with the bushings gradually increasing the sandpaper grits.
- Finish the barrel with your choice of polish. Allow sufficient time for the polish to cure. - refer to polish instructions.

### Assembly

- Position the bolt in Position A. (Delivered in position A)
- Position A - Check to see if bolt is tightly in place. To tighten see Note 1

#### NOTE: Layout Finished parts according to Diagram A

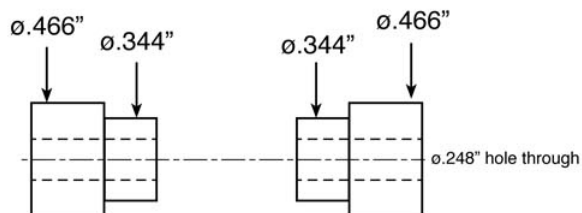
- Press the front end into either end of the barrel.
- Press the back end assembly into the opposite end of the barrel.
- Unscrew the tip and insert the refill into the opening at the front end.
- Insert the spring over the refill and replace the tip.
- Lock or unlock the bolt to extend or retract the refill tip.

#### NOTE1:

Changing and tightening the bolt.  
To loosen or tighten the bolt loosen or tighten the set screw as shown below in diagram C. Take a long phillips screw driver with a small head, insert into the back end as shown.

Rotate the bolt as necessary and tighten the set screw.

### DIAGRAM D - Bushings



### DIAGRAM C

